

Nour El-Din Hesham Abdel Salam

Data Scientist

Alexandria, Egypt | (+20) 122 801 3730 | nour.hesham.ds@gmail.com

LinkedIn: [linkedin.com/in/nour-eldin-hesham-557770238](https://www.linkedin.com/in/nour-eldin-hesham-557770238)

GitHub: github.com/NOUR12321

Summary

Motivated Junior Data Scientist with a strong foundation in Computer Science, specializing in Data Science and Programming. Proficient in Python, SQL, and Power BI for data analysis and visualization. Experienced in developing machine learning models and conducting data analysis through academic and freelance projects. Passionate about transforming data into meaningful insights and collaborating in teams to solve real-world problems.

Education

Bachelor of Science in Computer Science

Assiut University, Egypt

Sep 2021 – Expected Graduation: June 2025

Experience

Freelance Data Analyst

POWER BI BUSINESS ANALYSIS DASHBOARD

Nov 2024 – Present

- **Developed and implemented an advanced Power BI dashboard** to provide real-time insights into sales, performance, and profitability, reducing reporting time by **40%**.
 - **Optimized database structure** for more efficient data flow.
 - Used **DAX** to create custom KPIs, improving decision-making by **20%**.
-

Projects

MEDICAL SCAN ANALYSIS (CNN FOR CHEST X-RAY CLASSIFICATION)

Assiut University | Sep 2024

- **Developed a CNN model** to classify chest X-rays into Pneumonia, COVID-19, and Healthy categories, achieving **95% accuracy**.
- **Automated diagnostics**, enhancing efficiency by **30%** and minimizing errors.
- **Optimized model performance** through fine-tuning hyperparameters.

HEART DISEASE PREDICTION SYSTEM

Assiut University | Mar 2024

- **Developed a Flask web app** to predict heart disease risk using health metrics like age, cholesterol, and blood pressure.
 - **Enhanced accuracy to 87%** by integrating Logistic Regression, Random Forest, and XGBoost in an ensemble model.
 - **Created a user-friendly interface** for real-time predictions and health assessments.
-

Skills

TECHNICAL SKILLS

- **Data Science & Machine Learning:** Data preprocessing, regression, classification, clustering, and model evaluation (scikit-learn).
- **Programming:** Python, C++, Dart, Java.

- **Deep Learning:** TensorFlow and Keras for CNNs and advanced models.
- **Data Management:** SQL, MySQL.
- **Data Visualization:** Power BI, Matplotlib, Seaborn.
- **Mathematics & Statistics:** Statistical analysis and mathematical modeling.

ADDITIONAL SKILLS

- **Version Control:** Git for collaboration and versioning.
- **Software Development:** Knowledge with Flutter for mobile app development.
- **Soft Skills:** Problem-solving, analytical thinking, communication, and teamwork.

Certifications

Fundamentals of Database

Information Technology Institute (ITI) | Feb 2023

Bioinformatics Training

Syndicate of Scientific Professions | Jan – Feb 2023

Languages

- **Arabic:** Native
- **English:** Intermediate